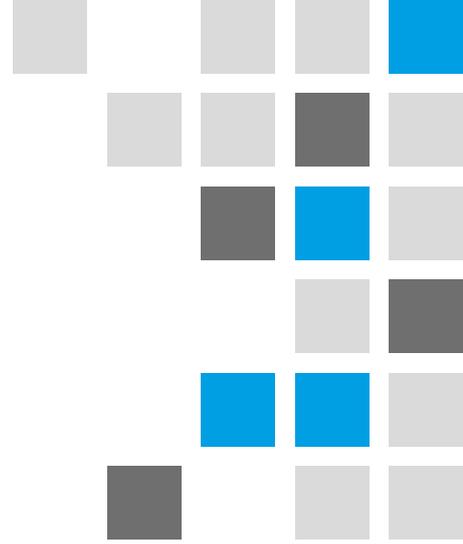


EXIDOR
ASSA ABLOY

DOOR CONTROLS

ARCHITECTURAL DOOR CONTROLS & ACCESSORIES



ASSA ABLOY, the global leader
in door opening solutions



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Guarantee

To support the high quality and first class engineering that has gone into the Exidor Door Controls range, the manufacturer gives a ten year guarantee for all mechanical products, and a two year guarantee for electrical products (subject to conditions and normal use) against defects due to faulty manufacturing, workmanship or defective material. If unsure of the application in variable conditions, please contact the office for advice. The manufacturer agrees to replace any defective Exidor product free of charge provided the product has been fitted in accordance with the fitting instructions and maintained correctly and utilised in normal conditions.

Certification

Exidor products feature a range of certification including CE, Certifire and UL. To support the specifier, in their responsibility to ensure that the selected hardware is appropriate for the needs of the project, we make our certification available online. Please visit www.exidor.co.uk where you can view our certification, to assist you in making the right selection.

Technical Support

Comprehensive information and technical support services are available by contacting:

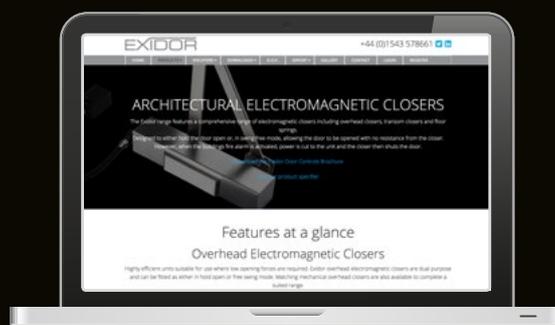
Tel: +44 (0)1543 578661 Fax: +44 (0)1543 570050
email: technical@exidor.co.uk

Or visit our website:

exidor.co.uk

There are a number of enhancements we've made to the Exidor website. You'll find company info, technical data, a high resolution image gallery and downloadable pdf's of the latest product literature – all presented in a clear and contemporary style that we hope you'll enjoy. There is also a new 'specifier' to help you navigate our product range and find the perfect product to meet your project needs.

If you have comments and ideas on ways we can make it even better and more useful, just let us know.



CE marked for Safety
Certified to European EN Standards





Introducing Exidor Door Controls

Exidor Ltd is a UK based engineering company manufacturing a comprehensive, high specification range of innovative panic and emergency hardware and door controls.

Total Solution

Exidor Door Controls offer a collection of suited ranges and a spectrum of options that are designed to meet the needs of most environments.

- Highly efficient overhead door closer range
- Complimenting range of electromagnetic door closers
- Specialist care home electromagnetic door closer
- Cam action concealed and slimline closers
- Heavy duty floor spring range
- Heavy duty electromagnetic floor spring
- Transom and electromagnetic transom closers

What does British manufacturing mean to us?

Understanding what our customers need. Providing local and reliable service. Having a wide range of standard units available from stock for fast delivery. Being able to provide non-standard products. Reacting quickly when it matters.

Working to international quality and manufacturing standards and certified to BS EN ISO 9001:2015.

And caring – professionally – about quality.



Power Size Guide

EN 1154 DOOR WEIGHT & RECOMMENDED WIDTH		
Power size of closer	Max weight of hinged leaf (KG)	Width of test leaf
1	20	750mm
2	40	850mm
3	60	950mm
4	80	1100mm
5	100	1250mm
6	120	1400mm
7	160	1600mm

EN 1155 DOOR WEIGHT & RECOMMENDED WIDTH		
Hold open power size	Max weight of hinged leaf (KG)	Width of test leaf
3	60	950mm
4	80	1100mm
5	100	1250mm
6	120	1400mm
7	160	1600mm

FLOOR SPRING WEIGHT/DOOR WIDTH RECOMMENDATIONS		
Max door width	Max door weight (KG)	Exidor floor spring Ref No.
1100mm	400	2000 Series
1400mm	600	900 Series

24V Power Supply Units

FOR USE WITH EXIDOR OVER HEAD DOOR CLOSERS, FLOOR SPRINGS & TRANSOM CLOSER

- 2 Amp unit can accommodate up to 15 closers
- 4 Amp unit can accommodate up to 30 closers



FEATURES

- Switchmode technology - for improved energy efficiency
- White powder coated
- Multiple cable entry
- Cable retention points
- Not for use with battery back-up, ensuring fail-safe mode for E-mag door closers
- Full current to load
- 24-26VDC regulated output
- LED Indicators for O/P, fault & mains
- Short circuit protection
- Fused output
- Back EMF protection

CODE	DIMENSION	DESCRIPTION	WEIGHT
PSU2	200x200x65 (mm)	2 Amp Power Supply Switchmode (4 outputs)	1.25kg (Boxed) / 1.05kg (Unboxed)
PSU4	200x200x65 (mm)	4 Amp Power Supply Switchmode (8 outputs)	1.3kg (Boxed) / 1.1kg (Unboxed)

Exidor Overhead Door Closer Range

Exidor's collection of overhead door closers offer high levels of efficiency as they feature either cam action or cam and roller mechanisms.

A range of suiting choices are available along with options of standard projection and slide arm closers, concealed closers and an outstanding range of overhead electromagnetic door closers. With a selection of set and adjustable power sizes and a variety of features Exidor's overhead door closers offer the complete solution.

Cam and Roller

The Exidor 4000 and 9000 series overhead door closer ranges feature the unique high efficiency cam and roller action which is ideal for use where the Equality Act 2010 (formerly the DDA) and BS8300 – Approved Document "M" need to be considered.

Optimum Opening

The cam and roller mechanism 'gears' the action of the door closer to provide the optimum opening and closing forces where they are needed – as the door is near the frame. The rapidly falling opening force makes the door easier to open, whilst an increasing closing force as the door nears the frame on the closing cycle, ensures safe, secure closing.

Cam Action

The 6000 series also offers great levels of efficiency with the use of cam action technology for both concealed and slide arm arrangements.

Efficiency

Efficiency is expressed by describing the closing force as a percentage of the opening force. Therefore a 20 Newtons closing force and 27 Newtons opening force would give an efficiency of: $20 \div 27 \times 100 = 74\%$

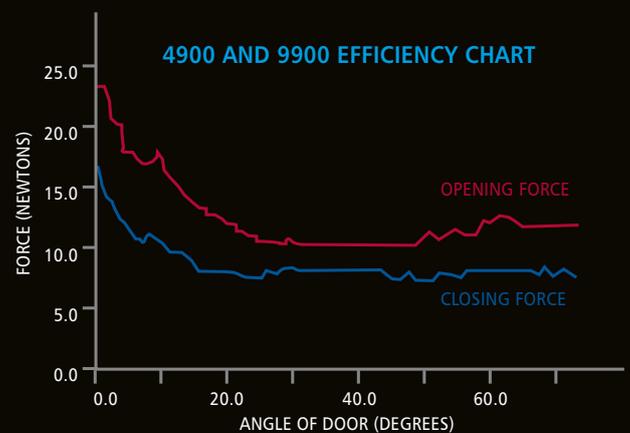
The greater the efficiency, the easier it is to open the door. Exidor's cam and roller mechanism, with precision engineered parts and unique bearings, result in highly efficient door closers.

Construction

The door closer body is made from extruded aluminium, which gives the best starting point for bore roundness for the piston to operate with high efficiency and a long working life.

The pinion bearings are made from composite material which reduce the friction in operation and provide remarkable durability.

The combination of materials, construction and design innovation of the cam and roller mechanism give outstanding results in use. One key element is that when using a door closer on the "push" side of the door, significant power loss is usually experienced. Exidor door closers do not lose any power in this application, and furthermore many 4000 and 9000 series closers are 'CERTIFIRE' approved for use in fig 1 and fig 6.



4000 Series Overhead Door Closer

OVERHEAD DOOR CLOSERS WITH MATCHING ARM, AVAILABLE WITH A CHOICE OF 3 DIFFERENT SLIDE COVERS

BS EN 1154



The Exidor 4000 overhead door closer range offers a choice of three closers, each available with the option of three different slides. All closers offer the unique high efficiency cam and roller action, combining this with the spring power adjustable models makes them suitable where the Equality Act is a consideration.

The selectable power size 2/3 and 3/4 are offered with the option of backcheck, whereas the adjustable power size 2-5 offers a choice of standard, backcheck, delayed action or backcheck with delayed action. Alternatively there is the selectable power size 2/3/4 which offers magnetic hold open. The magnetic hold open is activated at any angle above 70° up to a maximum of 165° and the door simply stays in position. The hold open is disengaged by a slight pull on the door.

All Closers are supplied as standard with a matching arm, and there is also the option of having a hold open arm. Exidor closers offer universal fitting and are supplied with brackets for fig 1, fig 6, and fig 61 fixing.



4900 E-slide

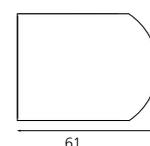
B-slide



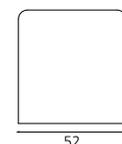
L-slide

		4700	4730	4800	4830	4900	4930	4910	4940	4820
Closing Force	EN Size	2/3	2/3	3/4	3/4	2-5	2-5	2-5	2-5	2/3/4
Door Size (Max)	Width (mm)	950	950	1100	1100	1250	1250	1250	1250	1100
	Weight (KG)	60	60	80	80	100	100	100	100	80
Application	Fig 1	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fig 6	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fig 61	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mechanism	Rack & Pinion	X	X	X	X	X	X	X	X	X
	Cam & Roller	✓	✓	✓	✓	✓	✓	✓	✓	✓
With Cover		X	X	X	X	X	X	X	X	X
Angle of Opening		180°	180°	180°	180°	180°	180°	180°	180°	180°
Non Handed		✓	✓	✓	✓	✓	✓	✓	✓	✓
Power Adjustment	By Spring	X	X	X	X	✓	✓	✓	✓	X
	By Template	✓	✓	✓	✓	X	X	X	X	✓
Adjustable Sweep Speed		✓	✓	✓	✓	✓	✓	✓	✓	✓
Adjustable Latching Speed		✓	✓	✓	✓	✓	✓	✓	✓	✓
Adjustable Backcheck		X	✓	X	✓	X	✓	X	✓	X
Adjustable Delayed Action		X	X	X	X	X	X	✓	✓	X
Magnetic Hold Open		X	X	X	X	X	X	X	X	✓
CE Marked		X	X	✓	✓	✓	✓	X	X	X
Certifire Approved		X	X	✓	✓	✓	✓	X	X	N/A
UL Listed		X	X	X	X	✓	✓	X	X	X
Guarantee		10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs
OPTIONS										
Slide Covers	E	✓	✓	✓	✓	✓	✓	✓	✓	✓
	B	✓	✓	✓	✓	✓	✓	✓	✓	✓
	L	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cover	Radius	X	X	X	X	X	X	X	X	X
	Square	X	X	X	X	X	X	X	X	X
Hold Open Arm		✓	✓	✓	✓	✓	✓	✓	✓	✓
Finishes		Silver, RAL, PAA, SAA, PB, SS, PS								

End plates



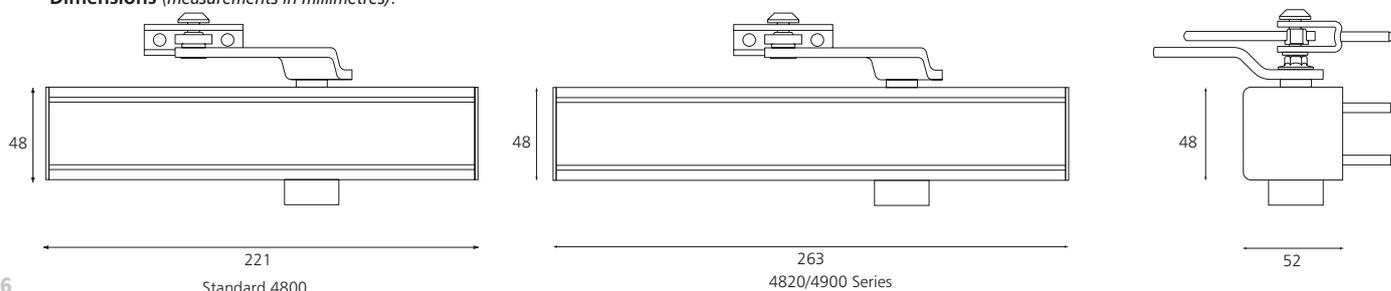
61



52

* Not CE or Certifire in Fig 61.

Dimensions (measurements in millimetres):



9000 Series Overhead Door Closer

OVERHEAD DOOR CLOSERS WITH COVER & MATCHING ADJUSTABLE ARM

The Exidor 9000 overhead door closer range offers a choice of two closers, each available with either a radius or square cover. All closers offer the unique high efficiency cam and roller action, combining this with the spring power adjustable models makes them suitable where the Equality Act is a consideration.

The selectable power size 3/4 offers the option of backcheck, whereas the adjustable power size 2-5 has a choice of standard, backcheck, delayed action or backcheck with delayed action. Alternatively there is the selectable power size 2/3/4 which offers magnetic hold open. The magnetic hold open is activated at any angle above 70° up to a maximum of 165°, and the door simply stays in position. The hold open is disengaged by a slight pull on the door.

All Closers are supplied as standard with a matching adjustable arm, and there is also the option of having a hold open arm. Exidor closers come with universal fitting and are supplied with brackets for fig 1, fig 6 and fig 61 fixing.



Radius cover



Square cover

BS EN 1154

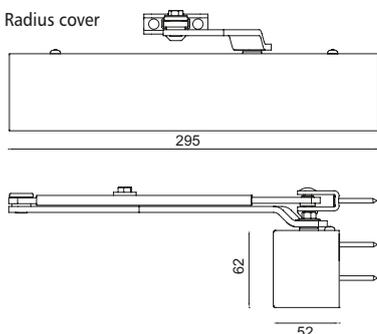


		9800	9830	9900	9930	9910	9940	9820
Closing Force	EN Size	3/4	3/4	2-5	2-5	2-5	2-5	2/3/4
Door Size (Max)	Width (mm)	1100	1100	1250	1250	1250	1250	1100
	Weight (KG)	80	80	100	100	100	100	80
Application	Fig 1	✓	✓	✓	✓	✓	✓	✓
	Fig 6	✓	✓	✓	✓	✓	✓	✓
	Fig 61	✓	✓	✓	✓	✓	✓	✓
Mechanism	Rack & Pinion	X	X	X	X	X	X	X
	Cam & Roller	✓	✓	✓	✓	✓	✓	✓
With Cover		✓	✓	✓	✓	✓	✓	✓
Angle of Opening		180°	180°	180°	180°	180°	180°	180°
Non Handed		✓	✓	✓	✓	✓	✓	✓
Power Adjustment	By Spring	X	X	✓	✓	✓	✓	X
	By Template	✓	✓	X	X	X	X	✓
Adjustable Sweep Speed		✓	✓	✓	✓	✓	✓	✓
Adjustable Latching Speed		✓	✓	✓	✓	✓	✓	✓
Adjustable Backcheck		X	✓	X	✓	X	✓	X
Adjustable Delayed Action		X	X	X	X	✓	✓	X
Magnetic Hold Open		X	X	X	X	X	X	✓
CE Marked		✓	✓	✓	✓	X	X	X
Certifire Approved		✓	✓	✓	✓	X	X	N/A
UL Listed		X	X	✓	✓	X	X	X
Guarantee		10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs
OPTIONS								
Slide Covers	E	X	X	X	X	X	X	X
	B	X	X	X	X	X	X	X
	L	X	X	X	X	X	X	X
Hold Open Arm		✓	✓	✓	✓	✓	✓	X
Cover	Radius	✓	✓	✓	✓	✓	✓	✓
	Square	✓	✓	✓	✓	✓	✓	✓
Finishes		Silver, RAL, SS, PS, PB						

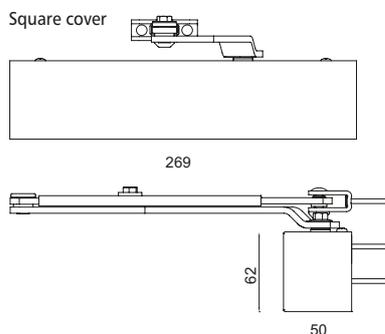
* Not CE or Certifire in Fig 61.

Dimensions (measurements in millimetres):

Radius cover



Square cover



4000 Series E-mag Closer

E-MAG

ELECTRO-MAGNETIC DOOR CLOSERS WITH MATCHING ADJUSTABLE ARM, AVAILABLE WITH A CHOICE OF 3 DIFFERENT SLIDE COVERS

BS EN 1155



The Exidor 4000 series E-mag range is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. There are two closers within the range, the 4870 which can be fitted as either a hold open or a swing free closer and the 4070 which is a dual power closer. The 4870, when fitted in swing free mode, allows the door to be opened with no resistance from the closer. However, whether in hold open or swing free mode, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door. The 4070 dual power closer operates in power size 1, allowing the door to be opened by a force of under 22N. However, when the buildings fire alarm is activated, power is cut to the unit, and the closer then becomes power size 4 and is able to shut the door.

All the Exidor 4000 Series of E-mags are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

Both options offer the choice of three different slide covers, each with a matching adjustable arm and the unique cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra.

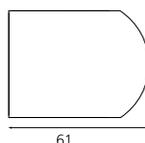
All Exidor closers offer universal fitting and are supplied with brackets for fig 1, fig 6 and fig 61 fixing.

		4870	4070
Closing Force	EN Size	4	1 & 4
Door Size (Max)	Width (mm)	1100	1100
	Weight (KG)	80	80
Application	Fig 1	✓	✓
	Fig 6	✓	✓
	Fig 61	✓	✓
Mechanism	Rack & Pinion	X	X
	Cam & Roller	✓	✓
Function	Swing Free	✓	X
	Hold Open	✓	X
With Cover		X	X
Angle of Opening		180°	180°
Non Handed		✓	✓
Power Adjustment	By Spring	X	X
	By Template	X	X
Adjustable Sweep Speed		✓	✓
Adjustable Latching Speed		✓	✓
Adjustable Backcheck		X	X
Adjustable Delayed Action		X	X
Dual Power		X	✓
CE Marked		✓	X
Certifire Approved		✓	X
UL Listed		X	X
Guarantee		2 yrs	2 yrs
OPTIONS			
Slide Covers	E	✓	✓
	B	✓	✓
	L	✓	✓
Cover	Radius	X	X
	Square	X	X
Extended Loop	650mm	✓	✓
Finishes	Silver, RAL, PAA, SAA, SS, PS, PB		



4870 B slide

End plates



61



52



L-slide



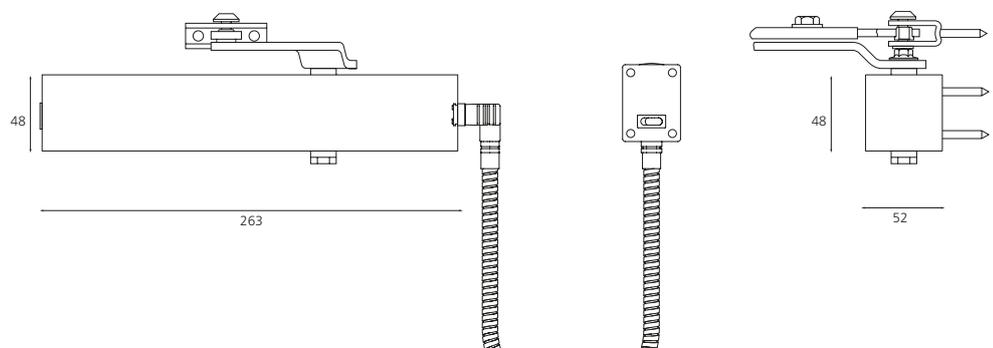
E-slide

REQUIRES 24V DC POWER SUPPLY

Exidor recommend the PSU2 and PSU4 power supply units – further details are available on page 4 of this catalogue.

* Not CE or Certifire in Fig 61.

Dimensions (measurements in millimetres):



9000 Series E-mag Closer

ELECTRO-MAGNETIC DOOR CLOSERS WITH COVER & MATCHING ADJUSTABLE ARM

BS EN 1155



E-MAG

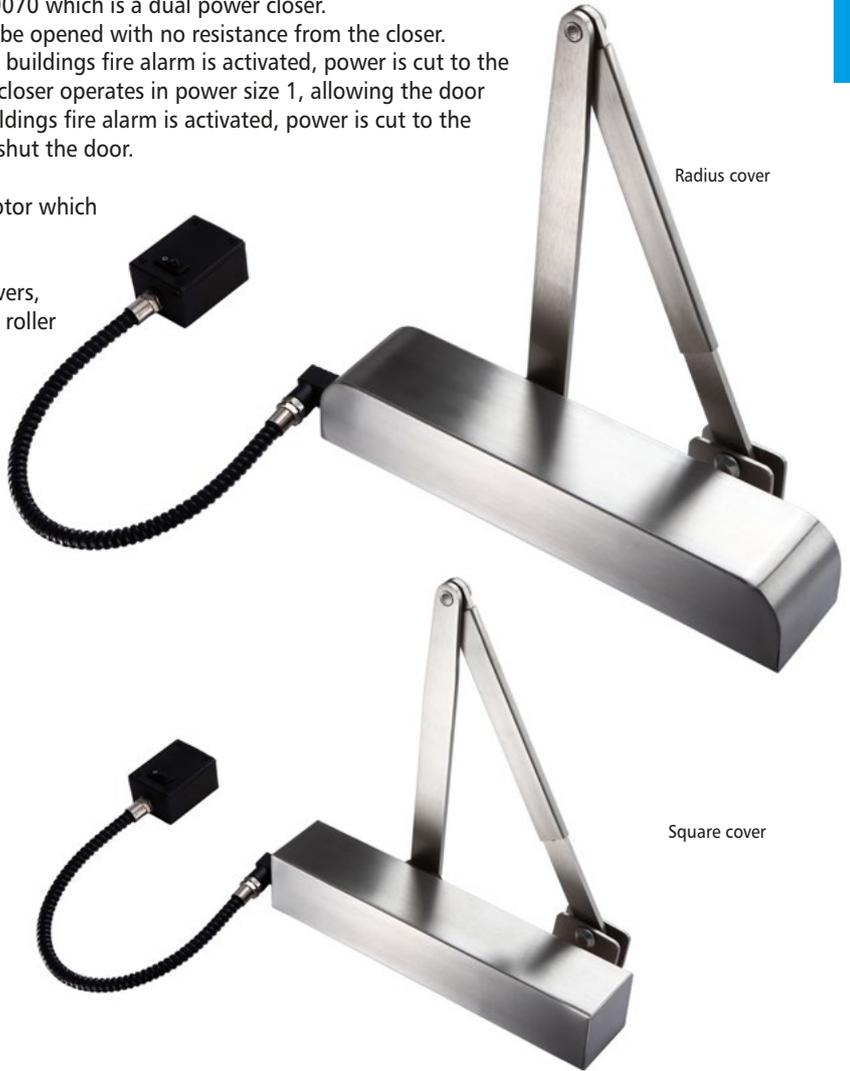
The Exidor 9000 series E-mag range is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. There are two closers within the range, the 9870 which can be fitted as either a hold open or a swing free closer and the 9070 which is a dual power closer.

The 9870, when fitted in swing free mode, allows the door to be opened with no resistance from the closer. However, whether in hold open or swing free mode, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door. The 9070 dual power closer operates in power size 1, allowing the door to be opened by a force of under 22N. However, when the buildings fire alarm is activated, power is cut to the unit, and the closer then becomes power size 4 and is able to shut the door.

All the Exidor 9000 Series of E-mags are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

Both options offer the choice of two different architectural covers, each with a matching adjustable arm and the unique cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra.

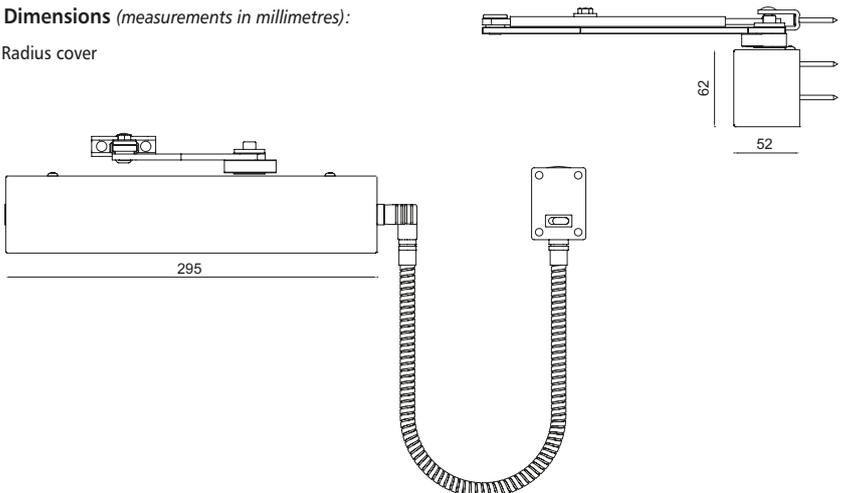
All Exidor closers offer universal fitting and are supplied with brackets for fig 1, fig 6 and fig 61 fixing.



		9870	9070
Closing Force	EN Size	4	4
Door Size (Max)	Width (mm)	1100	1100
	Weight (KG)	80	80
Application	Fig 1	✓	✓
	Fig 6	✓	✓
	Fig 61	✓	✓
Mechanism	Rack & Pinion	X	X
	Cam & Roller	✓	✓
Function	Swing Free	✓	X
	Hold Open	✓	X
With Cover		✓	✓
Angle of Opening		180°	180°
Non Handed		✓	✓
Power Adjustment	By Spring	X	X
	By Template	X	X
Adjustable Sweep Speed		✓	✓
Adjustable Latching Speed		✓	✓
Adjustable Backcheck		X	X
Adjustable Delayed Action		X	X
Dual Power		X	✓
CE Marked		✓	X
Certifire Approved		✓	X
UL Listed		X	X
Guarantee		2 yrs	2 yrs
OPTIONS			
Slide Covers	E	X	X
	B	X	X
	L	X	X
Cover	Radius	✓	✓
	Square	✓	✓
Extended Loop	650mm	✓	✓
Finishes	Silver, RAL, SS, PS, PB		

REQUIRES 24V DC POWER SUPPLY
Exidor recommend the PSU2 and PSU4 power supply units – further details are available on page 4 of this catalogue.

Dimensions (measurements in millimetres):
Radius cover



* Not CE or Certifire in Fig 61.

Care Home Residents Door Closer...

Guardian by Exidor is a unique swing free door closer, developed specifically to meet the needs of care home facilities. In a class of its own the Guardian offers specific features that reduce the risk of injury to residents as well as eradicating the need to wedge doors open.

ANTI-SLAM FINGER PROTECTION

The swing free mode of a closer can allow a door to slam shut. Regardless as to whether this is accidental, deliberate or just caused by a draught, it poses a real risk to frail residents and care home workers alike. Exidor's Guardian closer has been developed with an anti-slam function which controls and slows the motion of the door.

DRIFT RESISTANCE

If a door is unbalanced it can naturally swing open or closed, or it can swing with a draught. This can result in a resident wedging the door open and invalidating it as a fire door. The Guardian closer offers a low level control on the door, which stops it from drifting from its open position, at the same time as allowing it to operate freely to the user.

The Guardian door closer is the only unit on the market specifically designed to meet the needs of residential care facilities.

KEY FEATURES

- Unique swing free mechanism designed specifically for the needs of care accommodation
- Finger protecting anti-slam, prevents doors from being slammed shut
- Drift resistance from draughts and unbalanced doors
- Controlled swing speed in fire conditions
- Quality British manufacturing
- Approved to CE and Certifire
- Suited to new build as well as refurbishment and retrofit
- Available in a range of covers and finishes
- Manufacturer's 2 year guarantee

EASY TO INSTALL

- **Detachable loop** - Allowing the loop and closer to be fitted separately for additional onsite flexibility in installation
- **Easy fit** - Mounts on push or pull side, and supplied with brackets for either application
- **Non-handed** - fits to either the left or right hand side of the door
- **Simple instructions** - Straightforward fitting instructions and screw hole templates supplied with every unit

STANDARDS

CE marked for safety meeting European standards, approved by Certifire to BS EN 1634-1 and meets European Standard BS EN 1155



REQUIRES 24V DC POWER SUPPLY

Exidor recommend the PSU2 and PSU4 power supply units – further details are available on page 4 of this catalogue.

Guardian

by EXIDOR



DETAILED SPECIFICATION

		9880	4880
Closing Force	EN Size	4	4
Finger Protection	Anti-Slam	✓	✓
Drift Resistance		✓	✓
Door Size (Max)	Width (mm)	1100	1100
	Weight (KG)	80	80
Application	Fig 1	✓	✓
	Fig 6	✓	✓
	Fig 61	X	X
Mechanism	Rack & Pinion	X	X
	Cam & Roller	✓	✓
With Architectural Cover		✓	X
With Slide Cover		X	✓
Figure 6 Bracket		✓	✓
Angle of Opening		180°	180°
Non Handed		✓	✓
Power Adjustment	By Spring	X	X
	By Template	✓	✓
Adjustable Sweep Speed		✓	✓
Adjustable Latching Speed		✓	✓
Adjustable Backcheck		X	X
Adjustable Delayed Action		X	X
CE Marked		✓	✓
Certifire Approved		✓	✓
UL Listed		X	X
Guarantee		2 yrs	2 yrs
OPTIONS			
Slide Covers	E	X	✓
	B	X	✓
	L	X	✓
Cover	Radius	✓	X
	Square	✓	X
Extended Loop	650mm	✓	✓
Finishes		Silver, RAL, SSS, PS, PB	

GUARDIAN DIMENSIONS

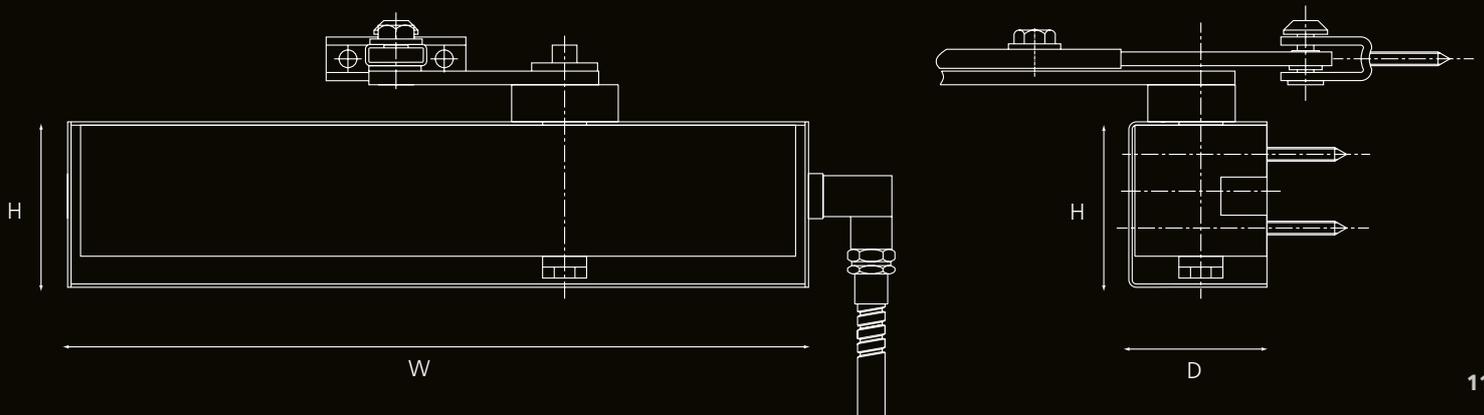
CODE	Height (H)	Width (W)	Depth (D)
9880R	60mm	295mm	52mm
9880SQ	60mm	267mm	49mm
4880	48mm*	263mm	52mm

*Excluding Spindle Cap

MADE IN BRITAIN



CE marked for Safety
Certified to European EN Standards



Atom 6000 Concealed Closer & 6000 Series Slimline Closer

BS EN 1155



CONCEALED

WITH MATCHING SLIDE ARM & CHANNEL

The Exidor 6000 series concealed and slimline range offers two cam action closers, one which is concealed within the door and the other that is a slimline overhead unit. The high performance cam action mechanism means that whilst these closers are strong enough to close doors up to 1100mm wide they are still light enough to offer easy opening to the user.



Slimline

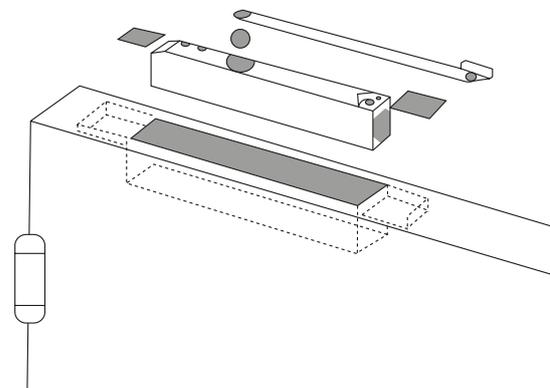
Exidor's Atom concealed door closer is a discrete unit that fits inside of the door leaf. Its compact styling and slide arm channel help to ensure that almost all of the closer remains invisible allowing the aesthetics of the door to prevail. The hidden fitting provides further benefits where there is a high risk of vandalism. For use with fire doors, Exidor offer a 30 or 60 minute intumescent pack and a smoke seal.



Atom 6000 Concealed

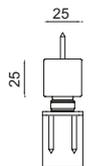
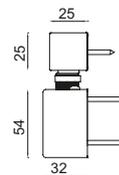
Exidor's highly aesthetic slimline door closer is ideal for high end developments where a face fixed closer is required. The low profile projection and slide arm ensure that the closer will complement the look of any door.

		6800	6805	6830	6900	6905	6930
Concealed		✓	✓	✓	X	X	X
Slimline with Cover		X	X	X	✓	✓	✓
Closing Force	EN Size	2-4	2-4	2-4	2-4	2-4	2-4
Door Size (Max)	Width (mm)	1100	1100	1100	1100	1100	1100
	Weight (KG)	80	80	80	80	80	80
Application	Fig 1	✓	✓	✓	✓	✓	✓
	Fig 6	✓	✓	✓	✓	✓	✓
	Fig 61	X	X	X	X	X	X
Mechanism	Rack & Pinion	X	X	X	X	X	X
	Cam Action	✓	✓	✓	✓	✓	✓
Angle of Opening		120°	120°	120°	120°	120°	120°
Non Handed		✓	✓	✓	✓	✓	✓
Power Adjustment	By Spring	✓	✓	✓	✓	✓	✓
	By Template	X	X	X	X	X	X
Adjustable Sweep Speed		✓	✓	✓	✓	✓	✓
Adjustable Latching Speed		✓	✓	✓	✓	✓	✓
Backcheck		X	X	✓	X	X	✓
Hold Open		X	✓	X	X	✓	X
CE Marked		✓	X	X	✓	X	X
Certifire Approved		✓	X	X	✓	X	X
UL Listed		X	X	X	X	X	X
Guarantee		10 yrs	10 yrs	10 yrs	10 yrs	10 yrs	10 yrs
OPTIONS							
Cover	Radius	X	X	X	X	X	X
	Square	X	X	X	✓	✓	✓
30 Min. Intumescent Pack	INTP30	✓	✓	✓	X	X	X
60 Min. Intumescent Pack	INTP60	✓	✓	✓	X	X	X
Smoke Seal	SMKS	✓	✓	✓	X	X	X
Finishes		Silver, RAL, PB, SS, PS					



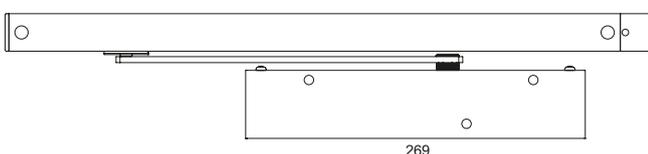
Slimline

Concealed

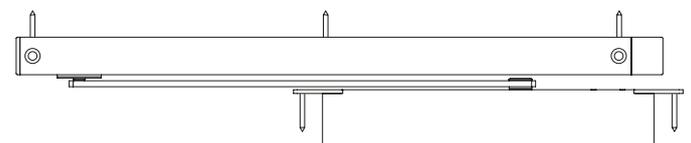


Dimensions (measurements in millimetres):

Slimline



Concealed



Introducing Exidor Floor Spring Range

Exidor's heavy duty floor springs are the perfect solution for demanding door environments.

Extreme Weight Capacity

Offering weight capacity levels of up to 400kg and 600kg the Exidor floor spring range is ideal for any environment with rigorous demands on the unit. This includes high usage or heavy weight doors and at the same time they fit discreetly into the floor, giving improved resistance to interference and vandalism.

The range also includes an electromagnetic floor spring with a capacity of up to 400kg – which is ideal for use in locations such as hotel and hospital corridors.

Cam Action

Featuring a highly efficient double cam action mechanism that offers exceptional control over the motion of the door, these floor springs are ideal where ease of opening requirements are essential such as for equality act compliance.

The double action cam mechanism not only give class leading carrying capacity and efficiency but provides excellent centring at zero position in double action. This is achieved by using the additional cam to provide the return to zero position regardless of the number of cycles in either direction. The cam mechanism gears the action of the door closer to provide the optimum opening and closing forces where needed as the door is near the frame.

High Performance

The quality, durability and performance of Exidor's floor springs makes them ideal for use in most environments. They are particularly suited to demanding projects such as shops and hospitals, as well as highly aesthetic projects including hotels and offices.

Exidor's floor spring range features 316 solid stainless steel cover plates and single action fittings which can be finished in a variety of options to suit your project. Adjustable double action fittings and a wealth of other accessories complete the range.

Construction

The Exidor floor spring is manufactured from a high grade cast iron material and is combined with high quality roller bearings for strength and durability.



900 Series Floor Spring

HEAVY DUTY FLOOR SPRINGS WITH BACKCHECK

BS EN 1154



Generally considered the best in the market, the Exidor 900 series double cam mechanism floor spring range fits discreetly into the floor, giving improved resistance to interference and vandalism, and they are particularly suited to shops, offices, hospitals etc. Available in both single and double action with backcheck, they feature adjustable power size 1-6 and can be used for doors up to 600KG. Available as a complete unit, or as a mechanism only where replacements are required, the 900 series is equipped with a unique centre controlled closing mechanism which ensures smooth and quiet closing to the central closed position from either direction.

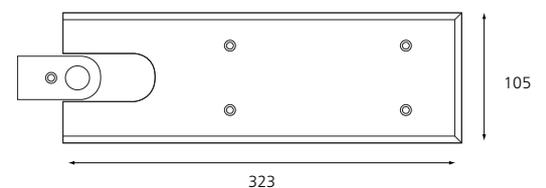
Options include 90°, 105° and 120° hold open, delayed action, and heavy duty backcheck for use on heavier doors. Other accessories consist of extra height spindles and a gel infill for improved water resistance. The cover plate is available in a choice of plated finishes.

For ease of fitting Exidor floor spring range features a unique 3° leading edge adjustment for improved alignment as well as a visual aid spirit level. Range options include hold open and heavy duty back check.

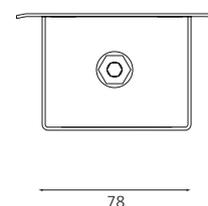
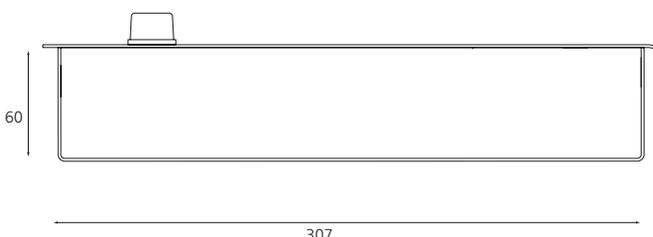


		990	991	993	994	995
Closing Force	EN Size	1-6	1-6	1-6	1-6	1-6
Door Size (Max)	Width (mm)	1400	1400	1400	1400	1400
	Weight (KG)	600	600	600	600	600
Mechanism	Rack & Pinion	X	X	X	X	X
	Double Cam	✓	✓	✓	✓	✓
Angle of Opening		180°	180°	180°	180°	180°
Non Handed		✓	✓	✓	✓	✓
Power Adjustment	By Spring	✓	✓	✓	✓	✓
	By Template	X	X	X	X	X
Action Availability	Single	✓	✓	✓	✓	✓
	Double	✓	✓	✓	✓	✓
Adjustable Sweep Speed		✓	✓	✓	✓	✓
Latching Speed		✓	✓	✓	✓	✓
Backcheck		✓	✓	✓	✓	✓
Heavy Duty Backcheck		X	X	X	X	✓
Delayed Action		X	✓	X	X	X
Hold Open 90° & 120°		X	X	✓	X	X
Hold Open 105°		X	X	X	✓	X
CE Marked		✓	X	X	X	X
Certifire Approved		✓	X	X	X	X
UL Listed		✓	✓	X	X	X
Guarantee		10 yrs				
OPTIONS						
Hold Open Model		X	X	X	X	✓
Single Action Accessories		✓	✓	✓	✓	✓
Double Action Accessories		✓	✓	✓	✓	✓
Spindle Extensions		✓	✓	✓	✓	✓
Gel Infill For Improved Water Resistance		✓	✓	✓	✓	✓
Mechanism & Box Only		✓	✓	✓	✓	✓
Finishes	SS, PS, PB					

Cover plates



Dimensions (measurements in millimetres):



2000 Series Floor Spring

FLOOR SPRING WITH BACKCHECK

BS EN 1154



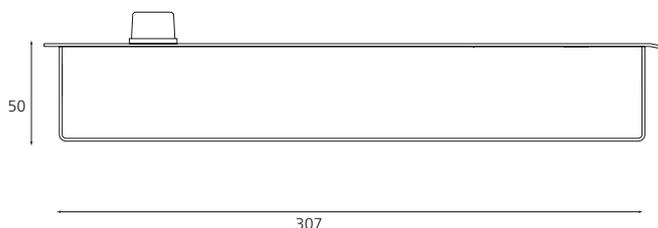
The Exidor 2000 series double cam mechanism floor spring range fit discreetly into the floor, giving improved resistance to interference and vandalism, and are particularly suited to shops, offices, hospitals etc. Available in both single and double action with backcheck, they feature adjustable power size 1-4, can be used for doors up to 400KG and are available as a complete unit, or as a mechanism only where replacements are required.

Options include hold open and delayed action, and other accessories consist of extra height spindles, 200° cam and gel infill for improved water resistance. The cover plate is available in a choice of three plated finishes.

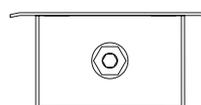
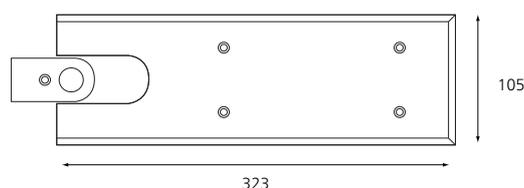
For ease of fitting, Exidor 2000 series floor spring range features a visual aid spirit level.

		2950	2952	2960
Closing Force	EN Size	1-4	1-4	1-4
Door Size (Max)	Width (mm)	1100	1100	1100
	Weight (KG)	400	400	400
Mechanism	Rack & Pinion	X	X	X
	Cam Action	✓	✓	✓
Angle of Opening		180°	180°	180°
Non Handed		✓	✓	✓
Power Adjustment	By Spring	✓	✓	✓
	By Template	X	X	X
Action Availability	Single	✓	✓	✓
	Double	✓	✓	✓
Adjustable Sweep Speed		✓	✓	✓
Latching Speed		✓	✓	✓
Backcheck		✓	✓	✓
Heavy Duty Backcheck		X	X	X
Delayed Action		X	X	✓
Hold Open		X	✓	X
CE Marked		✓	X	X
Certifire Approved		✓	X	X
UL Listed		X	X	X
Guarantee		10 yrs	10 yrs	10 yrs
OPTIONS				
Single Action Accessories		✓	✓	✓
Double Action Accessories		✓	✓	✓
Spindle Extensions		✓	✓	✓
200° Cam for single action doors requiring controlled closing from 180°		✓	X	X
Gel Infill For Improved Water Resistance		✓	✓	✓
Mechanism & Box Only		✓	✓	✓
Finishes	SS, PS, PB			

Dimensions (measurements in millimetres):



Cover plates



FLOOR SPRING

3000 Series E-mag Floor Spring

ELECTRO-MAGNETIC FLOOR SPRING

BS EN 1155



The Exidor 3000 series E-mag floor spring fits discreetly into the floor, giving better resistance to interference and vandalism and is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration.

It is a fixed power size 4 which is designed to hold doors open. However, when the buildings fire alarm is activated, power is cut to the floor spring and the unit then closes the door.

Available in both single and double action, the floor spring can be supplied complete, or mechanism only when being used as a replacement. Optional extras include extra height spindles, and gel infill for improved water resistance. The cover plate is available in a choice of three plated finishes.

For ease of fitting, Exidor floor spring range features a unique 3° leading edge adjustment for improved alignment as well as a visual aid spirit level.

FLOOR SPRING

		3470
Closing Force	EN Size	4
Door Size (Max)	Width (mm)	1100
	Weight (KG)	400
Mechanism	Rack & Pinion	X
	Cam Action	✓
Angle of Opening		180°
Non Handed		✓
Power Adjustment	By Spring	X
	By Template	X
Action Availability	Single	✓
	Double	✓
Adjustable Sweep Speed		✓
Backcheck		✓
Heavy Duty Backcheck		X
Adjustable Delayed Action		X
Hold Open	80° - 180°	✓
CE Marked		✓
Certifire Approved		✓
UL Listed		X
Guarantee		2 yrs
OPTIONS		
Single Action Accessories		✓
Double Action Accessories		✓
Spindle Extensions		✓
Gel Infill For Improved Water Resistance		✓
Mechanism & Box Only		✓
Finishes	SS, PS, PB	

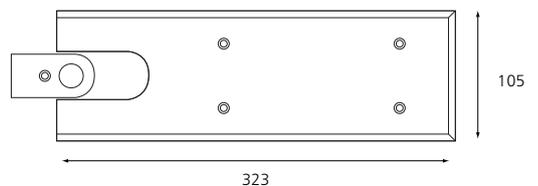


WITH UP TO
400kg
WEIGHT
CAPACITY

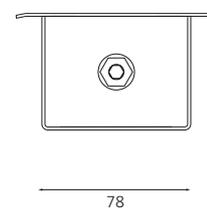
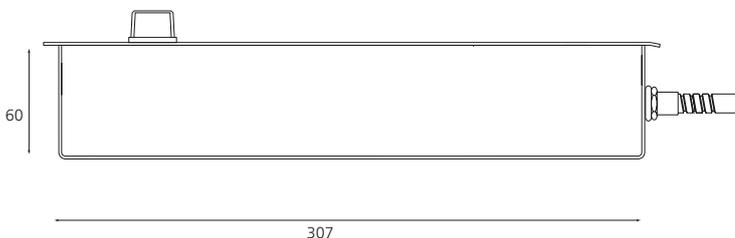
REQUIRES 24V DC POWER SUPPLY

Exidor recommend the PSU2 and PSU4 power supply units – further details are available on page 4 of this catalogue.

Cover plates



Dimensions (measurements in millimetres):



2000/4F Floor Pivot



The Exidor 2000/4F floor pivot uses the same class leading bearing technology as the floor spring and is used in applications where there is no requirement for closing a door, and where using hinges is difficult because the door is heavy or a double action is required.

The 2000/4F can carry a door up to 400KG whilst having a very small footprint, and only has a recess below the floor surface of 15mm. The range is compatible with all Exidor floor spring strap systems and top centres, which must be ordered separately, if required.

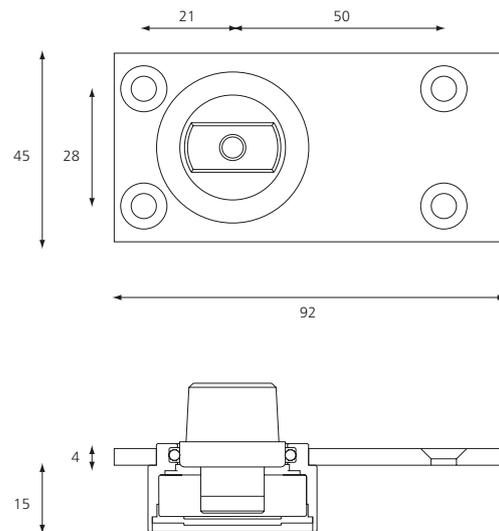
Different height spindle extensions between 5mm and 50mm are available, but these must be ordered with the pivot as they cannot be changed on site.

The floor pivots are available in satin stainless steel, polished stainless steel or polished brass finish.



		2000/4F	RS10
Closing Force	EN Size	N/A	N/A
Door Size (Max)	Width (mm)	1800	1800
	Weight (KG)	400	250
Mechanism	Rack & Pinion	X	X
	Cam & Roller	X	X
Angle of Opening		N/A	N/A
Non Handed		✓	✓
Power Adjustment	By Spring	X	X
	By Template	X	X
Action Availability	Single	✓	✓
	Double	✓	✓
Adjustable Sweep Speed		X	X
Adjustable Latching Speed		X	X
Adjustable Backcheck		X	X
Adjustable Delayed Action		X	X
Hold Open		X	X
CE Marked		X	X
Certifire Approved		✓	✓
UL Listed		X	X
Guarantee		10 yrs	
OPTIONS			
Spindle Extensions		✓	X
Finishes	SS, PS, PB		

Dimensions (measurements in millimetres):



FLOOR PIVOT

RS10 Heavy Duty Floor Pivot

Face-fixed floor pivot with 316 stainless steel pivot plate, for added strength and durability.

Ideal for use with Exidor's Ultimate transom closers as well as on aluminium doors.

- Fully floor mounted
- Optional 316 stainless steel Cup Strap
- Capacity up to 250kg



1000 Series Ultimate Transom Closer & 1470 E-mag Ultimate Transom Closer

ULTIMATE TRANSOM CLOSER COMPLETE WITH ARM SET & BOTTOM PIVOT

The Exidor Ultimate transom closer range offers a neat, aesthetically pleasing way to control a door opening. They are particularly popular where a discreet closer is required, and are widely used in hospitals, universities etc. Suitable for use on both internal and external doors, the unit can be used with aluminium, timber and hollow metal doors and frames, and comes with an adjustable floor pivot.

Available in double action with adjustable power size 1-6, the transom closer can be supplied complete with fittings, or as mechanism only when being used as a replacement. Optional extras include end load arm and intumescent packs.

The Exidor 1470 E-mag Ultimate transom closer is a fixed power size 4 which is designed to hold doors open. However, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door. Available in double action, the transom closer can be supplied complete, or mechanism only when being used as a replacement. Optional end load arm also available.

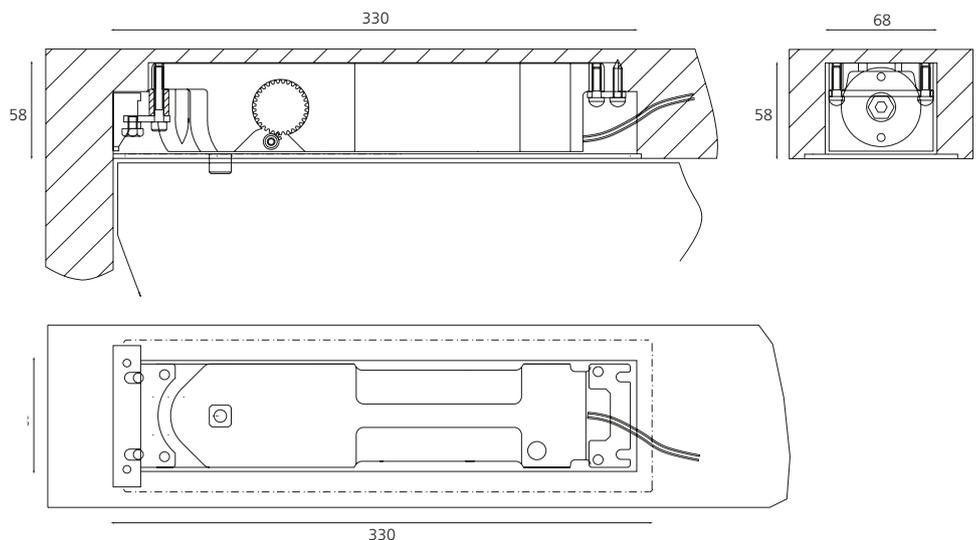


1470 ELECTRO-MAGNETIC CLOSER REQUIRES 24V DC POWER SUPPLY
 Exidor recommend the PSU2 and PSU4 power supply units – further details are available on page 4 of this catalogue.

		1470	1950	1960	1952
Closing Force	EN Size	4	1-6	1-6	1-6
Door Size (Max)	Width (mm)	1100	1100	1100	1100
	Weight (KG)	600	600	600	600
	Mechanism	Rack & Pinion	X	X	X
	Double Cam	✓	✓	✓	✓
Function	Mechanical	X	✓	✓	✓
	Electromagnetic	✓	X	X	X
Angle of Opening		180°	180°	180°	180°
Non Handed		✓	✓	✓	✓
Power Adjustment	By Spring	X	✓	✓	✓
	By Template	X	X	X	X
Side Load Arm		✓	✓	✓	✓
Action	Single	X	X	X	X
	Double	✓	✓	✓	✓
Adjustable Sweep Speed		✓	✓	✓	✓
Latching Speed		✓	✓	✓	✓
Backcheck		✓	✓	✓	✓
Delayed Action		X	X	✓	X
Hold Open		✓	X	X	✓
CE Marked		X	X	X	X
Certifire Approved		X	X	X	X
UL Listed		X	X	X	X
Guarantee		2 yrs	10 yrs	10 yrs	10 yrs

OPTIONS	1470	1950	1960	1952
Short Side Load Arm	✓	✓	✓	✓
End Load Arm	✓	✓	✓	✓
Spindle Extensions	✓	✓	✓	✓
Intumescent Pack	✓	✓	✓	✓
Mechanism Only	✓	✓	✓	✓
Finishes	SS, PS, PB			

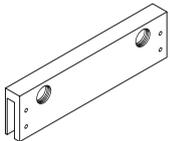
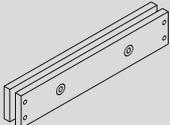
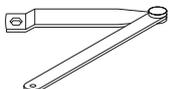
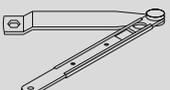
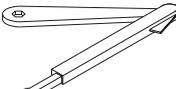
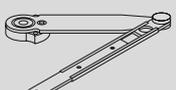
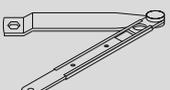
Dimensions (measurements in millimetres):



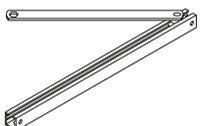
TRANSOM CLOSERS

Door Closer Accessories

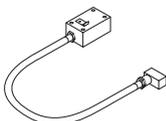
Overhead Door Closers

CODE	DESCRIPTION	SUITABILITY	FINISH	
X034	Face fixing bracket for fig 1 and fig 61 applications. Supplied as standard with projecting arm models.	Standard & E-mag	Silver, RAL, SS, PS & PB	
X016	Soffit plate for fig 1 and fig 6 applications. Supplied as standard with projecting arm models	Standard & E-mag	Silver, RAL, SS, PS & PB	
X042	Saddle bracket for glass doors.	4900, 4910, 4930, 4940, 4820	Silver, RAL, SS, PS & PB	
X043	Bolt through bracket for glass doors.	4900, 4910, 4930, 4940, 4820	Silver, RAL, SS, PS & PB	
X001	Fixed projecting arm. Supplied as standard with the 4000 series.	Standard only	Silver, RAL, SS, PS & PB	
X002	Adjustable projecting arm. Supplied as standard with the 9000 series.	Standard only	Silver, RAL, SS, PS & PB	
X003	Hold open projecting arm.	4000 series & 9000 series	Silver, RAL, SS, PS & PB	
X004	E-mag projecting adjustable arm. Supplied as standard with the E-mag ranges.	4870, 9870	Silver, RAL, SS, PS & PB	
X006	Hardened adjustable projecting arm. Supplied as standard with the Guardian range.	4880, 4070, 9880, 9070	Silver, RAL, SS, PS & PB	

Concealed and Slimline

CODE	DESCRIPTION	SUITABILITY	FINISH	
X060	Slide arm & channel. Supplied as standard with the 6000 range.	6000 series	Silver, RAL, SS, PS & PB	

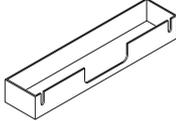
Electromagnetic Door Closer Loops

CODE	DESCRIPTION	SUITABILITY	FINISH	
X036	Standard power loop, 450mm long. Supplied as standard with 4000 and 9000 E-mag ranges. Extended power loop. Various lengths up to 650mm long in 50mm increments, available on request.	4000 and 9000 series E-mags only	Black	

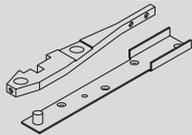
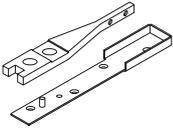
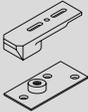
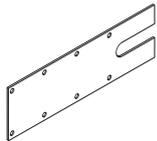
Overhead Door Closer - Covers

COVER	RANGE	B-SLIDE	E-SLIDE	L-SLIDE	RADIUS	SQUARE	FINISH
Front Slide	4000 Series (All)	X020	X021	X022	-	-	Silver, RAL, PAA, SAA, SS, PS & PB
Spindle Cap	4000 Series (All)	X027	X027	X027	-	-	
End Cap	4000 Series (Excluding Emag)	X023	X024	X024	-	-	
End Cap	4000 Series (Emag only)	X025	X026	X026	-	-	Silver, RAL, PAA, SAA, SS, PS & PB
Full Cover	9000 Series (Excluding Emag)	-	-	-	X031	X030	Silver, RAL, SS, PS & PB
Full Cover	9000 Series (Emag only)	-	-	-	X033	X032	Silver, RAL, SS, PS & PB

Slimline Cover

CODE	DESCRIPTION	SUITABILITY	FINISH	
X062	Square cover. Supplied as standard with the 6900, 6905, 6930, 6970.	6900, 6905 & 6930	Silver, RAL, SS, PS & PB	

Ultimate Transom Closer

CODE	DESCRIPTION	SUITABILITY	FINISH	
RS10-FB	Fixing bracket. Supplied as standard with the Ultimate transom closer series.	Ultimate transom closer	Zinc plated	
RS10-SA	Side load arm. Supplied as standard with the Ultimate transom closer series.	Ultimate transom closer	Zinc plated	
RS10-EA	End load arm.	Ultimate transom closer	Zinc plated	
RS10	Heavy duty floor pivot. As detailed on page 20.	Ultimate transom closer	SS	
RS10-CP	Cover plate. Supplied as standard with the Ultimate transom closer series.	Ultimate transom closer	SS, PS & PB	
RS10-SP	Alternative height spindles. Available options: Standard height spindle, -5mm spindle, +5mm spindle and +9mm spindle.	Ultimate transom closer	Black	
RS10-IP	Intumescent pack.	Ultimate transom closer	N/A	

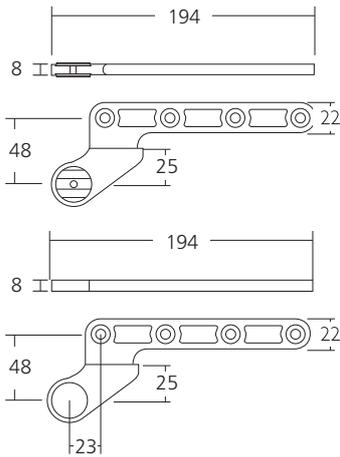
Floor Springs

CODE	DESCRIPTION	SUITABILITY	STANDARD FINISHES
X070	Single action 16mm fitting set; which includes:	All floor springs	SS, PS & PB*
X050	Cover plates	All floor springs	SS, PS & PB*
X051	Single action fitting strap, 16mm	All floor springs	SS, PS & PB*
X053	Single action top centre, 16mm	All floor springs	SS, PS & PB*
X071	Single action 25mm fitting set (Supplied as standard with the 2000, 3000 and 900 series single action). Which includes:	All floor springs	SS, PS & PB*
X050	Cover plates	All floor springs	SS, PS & PB*
X052	Single action fitting strap, 25mm	All floor springs	SS, PS & PB*
X054	Single action top centre, 25mm	All floor springs	SS, PS & PB*
X072	Double action fitting set (Supplied as standard with the 2000, 3000 and 900 series double action). Which includes:	All floor springs	SS, PS & PB*
X050	Cover plates	All floor springs	SS, PS & PB*
X055	Double action fitting strap	All floor springs	Zinc plated*
X056	Double action top centre	All floor springs	SS, PS & PB*
Other Accessories			
X057	Gel infill for improved water resistance.	All floor springs	N/A
X058	Extra height spindles. 5mm to 50mm in 5mm increments.	All floor springs	Black*
X073	Suspension box – flanged box for use with suspended floors	All floor springs	N/A
Carpet tray - for use with deep pile carpets, tiles or other raised floor coverings			
X074	Carpet Tray - 10mm depth	All floor springs	SS*
X075	Carpet Tray - 20mm depth	All floor springs	SS*
X076	Carpet Tray - 30mm depth	All floor springs	SS*
X077	Carpet Tray - 40mm depth	All floor springs	SS*

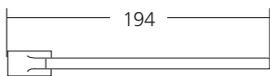
Single Action:



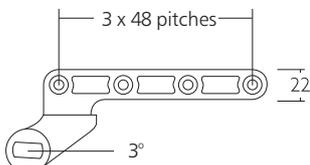
Top Centre



Strap



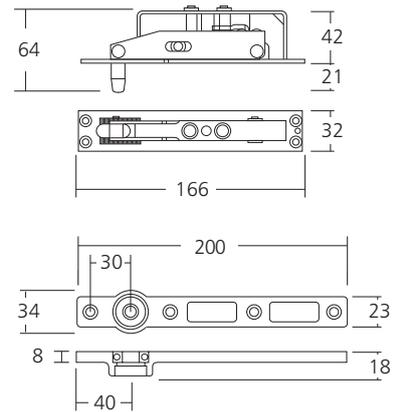
Strap cover



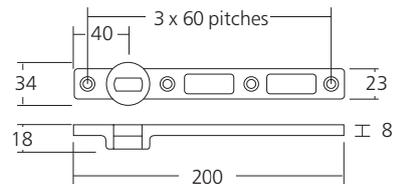
Double Action:



Top Centre

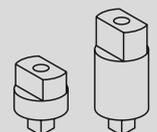


Strap



X058 Extra height spindles

5mm to 50mm in 5mm increments* for the floor spring.



Regulations

The two EN standards for door controls are as follows:-

EN1154 : 1997

The Building Regulations 1991 Approved Document B 2000 Edition requires that all fire-resisting doors (with the exception of locked cupboard/duct doors) be fitted with an appropriate self-closing device.

Within the framework of the Construction Products Directive (89/106/EEC), these devices have been identified as playing an essential role in the safety of buildings in the case of fire. Compliance with BS EN 1154 (and EN1634-1) is deemed to satisfy the requirements of the Directive in this regard, and it is therefore strongly recommended that proof of compliance be obtained for any controlled door closing device before it is specified or used.

Closing controls are available in a range of strengths (commonly referred to as sizes) that relate to the available power to close the door. The minimum performance requirements are laid down in BS EN 1154 - Building hardware - Controlled door closing devices - and include levels of mechanical efficiency, suitable door width and mass.



Classification Coding System for Door Closers

BS EN 1154 classifies door closers using a 6 digit coding system.

Each digit refers to a particular feature of the product measured against the standard's performance requirements.

Example:

Digit:	1	2	3	4	5	6
Classification No.	4	8	2 5	1	1	3



Digit 1 - Category of Use

GRADE 3: For closing doors from at least 105° open.
GRADE 4: For closing doors from 180° open.

Digit 2 - Number of test cycles

Only one category is identified:

GRADE 8: 500 000 cycles.

Digit 3 - Test door mass/size

Seven test door grades and related door closer power sizes are identified:

Power size of closer	Width of door (mm)	Maximum mass of door (kg)
1	750	20
2	850	40
3	950	60
4	1100	80
5	1250	100
6	1400	120
7	1600	160

Digit 4 - Fire behaviour

GRADE 0: Not suitable for use on fire/smoke door assemblies.

GRADE 1: Suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the door closer to the fire resistance of specified fire/smoke assemblies. This is assessed outside of BS EN 1154.

Digit 5 - Safety

Only one category is identified:

GRADE 1: All door closer devices are required to satisfy the essential requirement of safety in use.

Digit 6 - Corrosion Resistance

GRADE 0: No defined corrosion resistance.

GRADE 1: Mild resistance.

GRADE 2: Moderate resistance.

GRADE 3: High resistance.

GRADE 4: Very high resistance.

EN1155 : 1997

Electrically powered hold open devices for swing doors

The European standard specifies requirements for hold open devices and also for hold open mechanisms incorporated into a door closer.

Electrically powered hold open devices for swing doors manufactured according to this European standard can hold a swing door at a fixed position or can allow the door to swing freely. In each case, interruption of the electrical supply will cause the controlled door to close positively.



Classification Coding System Electrically Powered Hold Open Devices For Swing Doors

BS EN 1155 classifies electrically powered door closers under a six digit coding system.

Each digit refers to a particular feature of the product measured against the standard's performance requirements.

Example:

Digit: 1 2 3 4 5 6

Classification No.	3	8	4	1	1	3
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Digit 1 - Category of Use

Only one category is identified:

GRADE 3: For doors for use by the public, and others, with little incentive to take care.

Digit 2 - Number of test cycles

GRADE 5: 50 000 cycles. For all electrically powered hold open devices.
GRADE 8: 500 000 cycles. For all electrically powered hold open devices and free swing door closers and devices that contain operating arms.

Digit 3 - Hold open power size

Five hold open power sizes are identified:

Hold open power size	Recommended door leaf width max (mm)	Test door mass (KG)	Overload test drop weight (kg)	Test door friction Max (N m)
3	950	60	15	0.3
4	1100	80	18	0.4
5	1250	100	21	0.5
6	1400	120	27	0.6
7	1600	160	36	0.8

Digit 4 - Fire behaviour

Only one category is identified:

GRADE 1: Suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the electrically powered hold open device to the resistance of specified fire/smoke door assemblies. This is assessed outside of BS EN1155.

Digit 5 - Safety

All electrically powered hold open devices are required to satisfy the essential requirement of safety in use. Therefore only **GRADE 1** is identified:

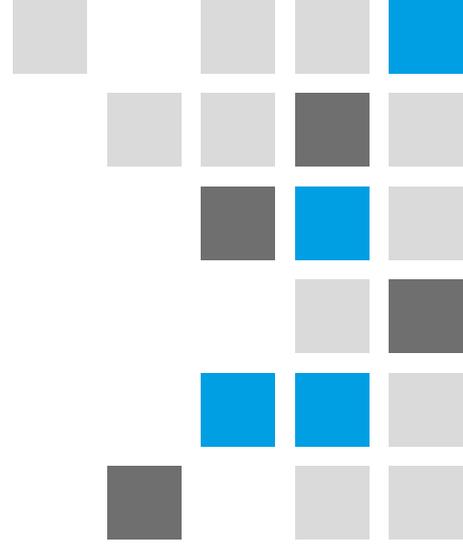
Digit 6 - Corrosion Resistance

GRADE 0: No defined corrosion resistance.
GRADE 1: Mild resistance.
GRADE 2: Moderate resistance.
GRADE 3: High resistance.
GRADE 4: Very high resistance.

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